

- lighting is largest challenge
 - structure of top or bottom lighting
- lensing of top drop and liquid in well
- Drop is 50% test liquid and 50% liquid

well has liquid and standard. Thermodynamic liquid migrates to well out of drop leave solution behind with hopefully crystals.

capital machines - Emerald biosciences Hardware + software

- Cyber labs → Gibson } chunky hardware, slow Hardware + SW out of U of Alabama

- 0 Clear
- 1 light
- 2 Medium/Heavy
- 3 Ugly
- 4 phase separation
- 5 ?
- 6 Spherulites
- 7 Grainy precipitant
- 8 Micro crystals < 20 um
- 9 Crystal > 20 um

to catch by via wire

A1 → 0

A2 → 3

A3 → 7

" "

" "

" "

lighting IR filter
backlight
top light

Antofocus lens or manual 2mm thick drop size

Sarsted plates upper right corner chamber

auto zoom - focus as Focus, light change as zooms
3x, 10x, 20x

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Enclosure 3